

Claims

1. A backlight assembly comprising:
 - a lamp unit for generating light;
 - 5 a first receiving container having a first bottom surface and a first sidewall extended from the first bottom surface, for receiving the lamp unit such that the lamp unit faces the first sidewall;
 - a second receiving container having a second bottom surface and a second sidewall extended from the second bottom surface, for receiving the lamp unit and
 - 10 the first receiving container; and
 - a heat transfer member disposed at the lamp unit, for transferring heat emitted from the lamp unit to the second receiving container.
2. The backlight assembly of claim 1, wherein the lamp unit comprises:
 - 15 a lamp having a lamp tube and first and second electrodes disposed at opposite end portions, respectively; and
 - a lamp reflecting plate for covering the lamp to reflect the light in a predetermined direction.
- 20 3. The backlight assembly of claim 2, wherein the heat transfer member comprises:
 - a first metal plate came in contact with an outer surface of the lamp reflecting plate corresponding to the first electrode and the second receiving
 - 25 container; and
 - a second metal plate came in contact with an outer surface of the lamp reflecting plate corresponding to the second electrode and the second receiving container.

4. The backlight assembly of claim 2, wherein the lamp reflector comprises polyethylene terephthalate resin.

5 5. The backlight assembly of claim 4, wherein the second receiving container comprises aluminum or aluminum alloy.

6. The backlight assembly of claim 5, wherein the heat transfer member comprises aluminum or aluminum alloy.

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7. The backlight assembly of claim 1, wherein the lamp unit comprises:

a first L-shaped lamp having a first lamp tube and first and second electrodes disposed at opposite end portions, respectively, for generating the light;

15 a first lamp reflecting plate for covering the first L-shaped lamp to reflect the light in a predetermined direction;

a second L-shaped lamp having a second lamp tube, a third electrode disposed at a first end portion of the second lamp tube and facing the first electrode, and a fourth electrode disposed at a second end portion opposite to the first end portion of the second lamp tube and facing the second electrode; and

20 a second lamp reflecting plate for covering the second L-shaped lamp to reflect the light in the predetermined direction.

8. The backlight assembly of claim 6, wherein the heat transfer member comprises:

25 a first metal plate came in contact with an outer surface of the first lamp reflecting plate corresponding to the first electrode and the second bottom surface of the second receiving container;

a second metal plate came in contact with the outer surface of the first lamp reflecting plate corresponding to the second electrode and the second bottom surface of the second receiving container;

5 a third metal plate came in contact with an outer surface of the second lamp reflecting plate corresponding to the third electrode and the second bottom surface of the second receiving container; and

a fourth metal plate came in contact with the outer surface of the second lamp reflecting plate corresponding to the fourth electrode and the second bottom surface of the second receiving container.

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9. The backlight assembly of claim 8, wherein the first to fourth metal plates respectively comprise:

a first side surface;

a first upper surface extended from the first sidewall in a first direction; and

15 a third bottom surface extended from the first sidewall in a second direction opposite to the first direction.

10. The backlight assembly of claim 9, wherein the first receiving container further comprises a second upper surface extended from the first sidewall
20 of the first receiving container, the second upper surface being provided with a first engaging hole and the first upper surface being provided with a first engaging protrusion corresponding to the first engaging hole.

11. The backlight assembly of claim 9, wherein the third bottom surface
25 comprises a second engaging hole and the second bottom surface comprises a second engaging protrusion corresponding to the second engaging hole.

12. The backlight assembly of claim 7, wherein the heat transfer member comprises:

a first metal plate came in contact with outer surfaces of the first and second lamp reflecting plates, which are corresponding to the first and third electrodes, respectively, and the second receiving container; and

a second metal plate came in contact with outer surfaces of the first and second lamp reflecting plates, which are corresponding to the second and fourth electrodes, respectively, and the second receiving container.

13. The backlight assembly of claim 12, wherein the first and second metal plates respectively comprise:

an L-shaped upper surface having first and second upper surfaces integrally combined to each other;

a first side surface extended from the first upper surface;

a second side surface extended from the second upper surface and separated from the first side surface in a predetermined distance;

a first bottom surface extended from the first side surface; and

a second bottom surface extended from the second side surface.

14. An LCD apparatus comprising:

a lamp unit for generating light;

a first receiving container having a first bottom surface and a first sidewall extended from the first bottom surface, for receiving the lamp unit such that the lamp unit faces the first sidewall;

a second receiving container having a second bottom surface and a second sidewall extended from the second bottom surface, for receiving the lamp unit and the first receiving container;

a heat transfer member disposed at the lamp unit, for transferring heat emitted from the lamp unit to the second receiving container; and
an LCD panel for receiving the light and displaying image in response to the light.

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15. The LCD apparatus of claim 14, wherein the lamp unit comprises:

a first L-shaped lamp having a first lamp tube and first and second electrodes disposed at opposite end portions of the first lamp tube, for generating the light;

a first lamp reflecting plate for covering the first L-shaped lamp to reflect the light in a predetermined direction;

a second L-shaped lamp having a second lamp tube, a third electrode disposed at a first end portion of the second lamp tube and facing the first electrode, and a fourth electrode disposed at a second end portion of the second lamp tube and facing the second electrode, for generating the light; and

a second lamp reflecting plate for covering the second L-shaped lamp to reflect the light in a predetermined direction.

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16. The LCD apparatus of claim 15, wherein the first receiving container comprises first to fourth openings corresponding to the first to fourth electrodes, respectively.

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17. The LCD apparatus of claim 16, wherein the heat transfer member comprises:

a first metal plate came in contact with an outer surface of the first lamp reflecting plate corresponding to the first electrode and a second side surface of the second receiving container through the first opening;

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a second metal plate came in contact with the outer surface of the first lamp

reflecting plate corresponding to the second electrode and the second side surface of the second receiving container through the second opening;

5 a third metal plate came in contact with an outer surface of the second lamp reflecting plate corresponding to the third electrode and the second side surface of the second receiving container through the third opening; and

a fourth metal plate came in contact with the outer surface of the second lamp reflecting plate corresponding to the fourth electrode and the second side surface of the second receiving container through the fourth opening.

10 18. The LCD apparatus of claim 15, wherein the first and second lamp reflecting plate comprise polyethylene terephthalate resin.